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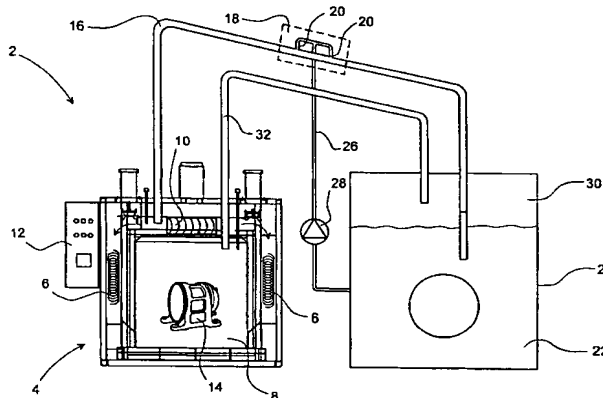
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(54) Title: MACHINE AND METHOD FOR THERMAL CLEANING AND SEPARATION OF METAL PARTS



(57) Abstract: The present invention concerns a machine (2) and a method for thermal cleaning and separation of metal parts, preferably a stator (14) from an electric motor, where the stator windings are embedded in an organic and insulating material, where the stator (14) is placed and heated to 250-500°C under controlled conditions in a heating chamber (8), where the organic material is evaporated, whereby the windings are loosened. The flue gas formed by the heating consists of evaporated organic substances that are conducted through a closed pipe system (16) to a condenser (18), where the organic gases condense. The pipe system (16) is designed so that condensate is conducted on in the closed pipe system (16) to a partly liquid filled vessel (24). The contents of this vessel consist of air and water (22), and concurrently with the condensed flue gas flows in the form of condensate, the content of organic material increases in the vessel (24). Condensate is thus separated from air, and the air may again be conducted to the oven (4) for renewed absorption of organic material. This method has the obvious advantage that all organic material evaporated from the heating chamber (8), is collected in the vessel (24) and may later be disposed of in an environmentally correct and secure way.